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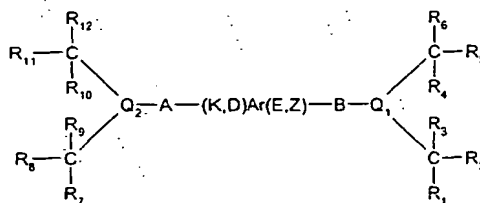
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(I)

(57) Abstract: A process for the carbonylation of ethylenically unsaturated compounds is described. The process comprises reacting an ethylenically unsaturated compound with carbon monoxide in the presence of a source of hydroxyl groups and a catalyst system. The catalyst system is obtained by combining: (a) metal of Group VIII or a compound thereof; and (b) a bidentate phosphine of general formula (I). The carbonylation reaction is carried out at a temperature of between -30°C to 49°C and under a CO partial pressure of less than 30 x 10<sup>5</sup> N.m<sup>-2</sup>.